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- Enalkiren**  
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- Epoetin alfa**  
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- Erythropoietin**  
Pharmacokinetics and erythropoietic response to human recombinant erythropoietin in healthy men (Flaharty et al). 1990;47:557-64
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Secretion of nizatidine into human breast milk after single and multiple doses (Obermeyer et al). 1990;47:724-30

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Pharmacokinetics of zidovudine in patients with liver cirrhosis (Taburet et al). 1990;47:731-9

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**Hydrocortisone**

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**Hydroxylation**

Polymorphism in hydroxylation of mephenytoin and hexobarbital stereoisomers in relation to hepatic P-450 human-2 (Yasumori et al). 1990;47:313-22

Quinidine reduces clearance of (+)-propranolol more than (–)-propranolol through marked reduction in 4-hydroxylation (Zhou et al). 1990;47:686-93

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Ethnic differences in cyclic AMP accumulation: effect on  $\alpha_2$ ,  $\beta_1$ , and prostanoid receptor responses (Stein et al). 1990;47:360-5

Pharmacokinetics, pharmacodynamics, and minimum effective clinical dose of intravenous nicardipine (Cook et al). 1990;47:706-18

**Hypoglycemic agents**

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**Hypotension, orthostatic**

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Concentration-response relationship in imipramine treatment of diabetic neuropathy symptoms (Sindrup et al). 1990;47:509-15

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**Infant, premature**

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**Iron**

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Pharmacokinetics and disposition of the lipid-lowering drug acifran in normal subjects and in patients with renal failure (Cayen et al). 1990;47:50-6

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Laidlomycin propionate potassium (USAN List No. 316). 1990;47:665

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# **Liver, physiology**

Dose-dependent pharmacokinetics of caffeine in humans: relevance as a test of quantitative liver function (Cheng et al). 1990;47:516-24

# **Liver cirrhosis**

The effect of hepatic cirrhosis on the pharmacokinetics and blood pressure response to nifedipine (Razak et al). 1990;47:463-9

Pharmacokinetics of zidovudine in patients with liver cirrhosis (Taburet et al). 1990;47:731-9

# **Liver cirrhosis, alcoholic**

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Severity of cirrhosis and the relationship of  $\alpha_1$ -acid glycoprotein concentration to plasma protein binding of lidocaine (Barry et al). 1990;47:366-70

# **Liver diseases**

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# **Melphalan**

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# **Mephenytoin**

Polymorphism in hydroxylation of mephenytoin and hexobarbital stereoisomers in relation to hepatic P-450 human-2 (Yasumori et al). 1990;47:313-22

# **Mesna**

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# **Methadone**

Binding of d-methadone, l-methadone, and dl-methadone to proteins in plasma of healthy volunteers: role of the variants of  $\alpha_2$ -acid glycoprotein (Eap et al). 1990;47:338-46

Pharmacokinetic-pharmacodynamic relationships of methadone infusions in patients with cancer pain (Inturrisi et al). 1990;47:565-77

# **Methotrexate**

Coadministration of naproxen and low-dose methotrexate in patients with rheumatoid arthritis (Stewart et al). 1990;47:540-6

# **Microsomes**

Albendazole treatment of echinococcosis in humans: effects on microsomal metabolism and drug tolerance (Steiger et al). 1990;47:347-53

# **Microsomes, liver**

Antipyrine elimination and hepatic microsomal enzyme activity in patients with liver disease (Wensing et al). 1990;47:698-705

# **Milk, human**

Secretion of nizatidine into human breast milk after single and multiple doses (Obermeyer et al). 1990;47:724-30

# **Minoxidil**

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# **Mirtazapine**

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# **Monoclonal antibodies; see Antibodies, monoclonal**

# **Morphine**

Morphine and metabolite behavior after different routes of morphine administration: demonstration of the importance of the active metabolite morphine-6-glucuronide (Osborne et al). 1990;47:12-9

Morphine and oxycodone hydrochloride in the management of cancer pain (Kalso and Vainio). 1990;47:639-46

Polymorphic formation of morphine from codeine in poor and extensive metabolizers of dextromethorphan: relationship to the

presence of immunoidentified cytochrome P-450IID1 (Mortimer et al). 1990;47:27-35

# **Myocardium, blood supply**

The effect of captopril on thallium 201 myocardial perfusion in systemic sclerosis (Kahan et al). 1990;47:483-9

## **N**

# **Naproxen**

Coadministration of naproxen and low-dose methotrexate in patients with rheumatoid arthritis (Stewart et al). 1990;47:540-6

# **Narcotics**

Use of buprenorphine in the treatment of opioid addiction. II. Physiologic and behavioral effects of daily and alternate-day administration and abrupt withdrawal (Fudala et al). 1990;47:525-34

# **Nemadectin**

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# **Neuralgia**

Desipramine relieves postherpetic neuralgia (Kishore-Kumar et al). 1990;47:305-12

# **Neuropathies, diabetic; see Diabetic neuropathies**

# **Neurotoxins**

Comparison of deferoxamine pharmacokinetics between asymptomatic thalassemic children and those exhibiting severe neurotoxicity (Bentur et al). 1990;47:478-82

# **Nicardipine**

The effect of hepatic cirrhosis on the pharmacokinetics and blood pressure response to nicardipine (Razak et al). 1990;47:463-9

Pharmacokinetics, pharmacodynamics, and minimum effective clinical dose of intravenous nicardipine (Cook et al). 1990;47:706-18

# **Nicotine**

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Simulation and evaluation of nicotine intake during passive smoking: cotinine measurements in body fluids of nonsmokers given intravenous infusions of nicotine (Curvall et al). 1990;47:42-9

Transdermal nicotine facilitates smoking cessation (Rose et al). 1990;47:323-30

# **Nifedipine**

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# **Nitroglycerin**

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# **Nizatidine**

Relationship between steady-state plasma nizatidine concentrations and inhibition of basal and stimulated gastric acid secretion (Schneck et al). 1990;47:499-503

Secretion of nizatidine into human breast milk after single and multiple doses (Obermeyer et al). 1990;47:724-30

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# **Norepinephrine**

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# **Omeprazole**

Effect of omeprazole treatment on diazepam plasma levels in slow versus normal rapid metabolizers of omeprazole (Andersson et al). 1990;47:79-85

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# **Oral contraceptives; see Contraceptives, oral**

# **Orthostatic hypotension; see Hypotension, orthostatic**

**Oxycodone**

Morphine and oxycodone hydrochloride in the management of cancer pain (Kalso and Vainio). 1990;47:639-46

**P****Pain**

Bromfenac, acetaminophen, and placebo in orthopedic postoperative pain (McQuay et al). 1990;47:760-6

Evaluation of analgesic agents in recurring headache compared with other clinical pain models (Gawel et al). 1990;47:504-8

**Pain, intractable**

Morphine and oxycodone hydrochloride in the management of cancer pain (Kalso and Vainio). 1990;47:639-46

Pharmacokinetic-pharmacodynamic relationships of methadone infusions in patients with cancer pain (Inturrisi et al). 1990;47:565-77

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Pamidronate disodium (USAN List No. 316). 1990;47:666

**Passive smoking; see Tobacco smoke pollution****Patches, drug; see Administration, cutaneous****Pegademase bovine**

Pegademase bovine (USAN List No. 317). 1990;47:769

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**Pentoxifylline**

Pharmacokinetics of intravenous and oral pentoxifylline in healthy volunteers and in cirrhotic patients (Rames et al). 1990;47:354-9

**Perindopril**

Influence of food on the pharmacokinetics of perindopril and the time course of angiotensin-converting enzyme inhibition in serum (Lecocq et al). 1990;47:397-402

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Human *N*-acetylation genotype determination with urinary caffeine metabolites (Kilbane et al). 1990;47:470-7

**Phenylephrine**

The effect of age on the sensitivity of the  $\alpha_1$ -adrenoceptor to phenylephrine and prazosin (Klein et al). 1990;47:535-9

**Phenylpropanolamine**

The effects of phenylpropanolamine on dietary intake, physical activity, and body weight after smoking cessation (Klesges et al). 1990;47:747-54

Phenylpropanolamine increases plasma caffeine levels (Lake et al). 1990;47:675-85

**Phobic disorders**

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**Platelet activating factor, antagonists and inhibitors**

Inhibitory effects of the new PAF acether antagonist WEB-2086 on pharmacologic changes induced by PAF inhalation in human beings (Adamus et al). 1990;47:456-62

**Prazosin**

The effect of age on the sensitivity of the  $\alpha_1$ -adrenoceptor to phenylephrine and prazosin (Klein et al). 1990;47:535-9

**Pregnancy**

Characterization of theophylline binding to serum proteins in pregnant and nonpregnant women (Connelly et al). 1990;47:68-72

**Preterm infant; see Infant, premature****Profafenone**

Different stereoselective effects of (R)- and (S)-propafenone: clinical pharmacologic, electrophysiologic, and radioligand binding studies (Stoschitzky et al). 1990;47:740-6

**Propranolol**

Differences in stereoselective disposition of propranolol do not

explain sensitivity differences between white and Chinese subjects: correlation between the clearance of (-)- and (+)-propranolol (Zhou and Wood). 1990;47:719-23

Effects of age on the protein binding and disposition of propranolol stereoisomers (Lalonde et al). 1990;47:447-55

Effects of calcium channel blockers on the pharmacokinetics of propranolol stereoisomers (Hunt et al). 1990;47:584-91

Quinidine reduces clearance of (+)-propranolol more than (-)-propranolol through marked reduction in 4-hydroxylation (Zhou et al). 1990;47:686-93

**Prostaglandin synthase, antagonists and inhibitors**

Bromfenac, acetaminophen, and placebo in orthopedic postoperative pain (McQuay et al). 1990;47:760-6

**Prostaglandins E**

Ethnic differences in cyclic AMP accumulation: effect on  $\alpha_2$ ,  $\beta_2$ , and prostanoid receptor responses (Stein et al). 1990;47:360-5

**Protein binding**

Binding of d-methadone, l-methadone, and dl-methadone to proteins in plasma of healthy volunteers: role of the variants of  $\alpha_2$ -acid glycoprotein (Eap et al). 1990;47:338-46

Effects of age on the protein binding and disposition of propranolol stereoisomers (Lalonde et al). 1990;47:447-55

Severity of cirrhosis and the relationship of  $\alpha_1$ -acid glycoprotein concentration to plasma protein binding of lidocaine (Barry et al). 1990;47:366-70

**Purine nucleoside phosphorylase**

Gene therapy: a new approach for the treatment of genetic disorders (Cournoyer et al). 1990;47:1-11 (Commentary)

**Q****Quinapril hydrochloride**

Quinapril hydrochloride (USAN List No. 315). 1990;47:550

**Quinidine**

Interactions in the renal and biliary elimination of digoxin: stereoselective difference between quinine and quinidine (Hedman et al). 1990;47:20-6

Quinidine reduces clearance of (+)-propranolol more than (-)-propranolol through marked reduction in 4-hydroxylation (Zhou et al). 1990;47:686-93

**Quinine**

Interactions in the renal and biliary elimination of digoxin: stereoselective difference between quinine and quinidine (Hedman et al). 1990;47:20-6

**R****Radionuclide imaging**

The effect of captopril on thallium 201 myocardial perfusion in systemic sclerosis (Kahan et al). 1990;47:483-9

**Ranitidine**

Influence of single and multiple doses of oral ranitidine on the gastric transit of an indigestible capsule in humans (Mojaverian et al). 1990;47:382-8

**Receptors, adrenergic, alpha**

Ethnic differences in cyclic AMP accumulation: effect on  $\alpha_2$ ,  $\beta_2$ , and prostanoid receptor responses (Stein et al). 1990;47:360-5

Lack of an effect of age on the response to clonidine (Klein et al). 1990;47:61-7

**Receptors, adrenergic, beta**

Diversity in supercoupling of  $\beta_2$ -adrenergic receptors in orthostatic hypotension (Mares et al). 1990;47:371-81

The effect of age on the sensitivity of the  $\alpha_1$ -adrenoceptor to phenylephrine and prazosin (Klein et al). 1990;47:535-9

Ethnic differences in cyclic AMP accumulation: effect on  $\alpha_2$ ,  $\beta_2$ , and prostanoid receptor responses (Stein et al). 1990;47:360-5

**Remacemide hydrochloride**

Remacemide hydrochloride (USAN List No. 317). 1990;47:774

**Renal failure, chronic; see Kidney failure, chronic**

**Reproducibility of results**

Reproducibility of individual rates of ethanol metabolism in fasting subjects (Passananti et al). 1990;47:389-96

**Research**

The quality of clinical research (Reidenberg). 1990;47:669-70 (Commentary)

Research and the American Society for Clinical Pharmacology and Therapeutics (Blaschke). 1990;47:270-2

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**Roxithromycin**

A model to detect interactions between roxithromycin and oral contraceptives (Meyer et al). 1990;47:671-4

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The effect of captopril on thallium 201 myocardial perfusion in systemic sclerosis (Kahan et al). 1990;47:483-9

**Secalciferol**

Secalciferol (USAN List No. 315). 1990;47:552

**Semduramicin sodium**

Semduramicin sodium (USAN List No. 313). 1990;47:91

**Serum proteins; see Blood proteins**

**Sezolamide hydrochloride**

Sezolamide hydrochloride (USAN List No. 317). 1990;47:768

**Smoking; see also Nicotine**

The effects of phenylpropanolamine on dietary intake, physical activity, and body weight after smoking cessation (Klesges et al). 1990;47:747-54

Transdermal nicotine facilitates smoking cessation (Rose et al). 1990;47:323-30

**Smoking, passive; see Tobacco smoke pollution**

**Somalapor**

Somalapor (USAN List No. 317). 1990;47:769

**Somenopor**

Somenopor (USAN List No. 317). 1990;47:769

**Stereoisomers**

Effects of age on the protein binding and disposition of propranolol stereoisomers (Lalonde et al). 1990;47:447-55

Effects of calcium channel blockers on the pharmacokinetics of propranolol stereoisomers (Hunt et al). 1990;47:584-91

Polymorphism in hydroxylation of mephenytoin and hexobarbital stereoisomers in relation to hepatic P-450 human-2 (Yasumori et al). 1990;47:313-22

**Substance dependence**

Use of buprenorphine in the treatment of opioid addiction. II. Physiologic and behavioral effects of daily and alternate-day administration and abrupt withdrawal (Fudala et al). 1990;47:525-34

**Substance withdrawal syndrome**

Use of buprenorphine in the treatment of opioid addiction. II. Physiologic and behavioral effects of daily and alternate-day administration and abrupt withdrawal (Fudala et al). 1990;47:525-34

**Sucrosofate potassium**

Sucrosofate potassium (USAN List No. 317). 1990;47:773

**Sulfaphenazole**

Validation of the tolbutamide metabolic ratio for population screen-

ing with use of sulfaphenazole to produce model phenotypic poor metabolizers (Veronese et al). 1990;47:403-11

**Systemic sclerosis; see Scleroderma, systemic**

**T**

**Technetium Tc 99m sestamibi**

Technetium Tc 99m sestamibi (USAN List No. 317). 1990;47:773

**Technetium Tc 99m teboroxime**

Technetium Tc 99m teboroxime (USAN List No. 317). 1990;47:772

**Teicoplanin**

The pharmacokinetics of teicoplanin in varying degrees of renal function (Lam et al). 1990;47:655-63

**Tenidap sodium**

Tenidap sodium (USAN List No. 317). 1990;47:772

**Thalassemia**

Comparison of deferoxamine pharmacokinetics between asymptomatic thalassemic children and those exhibiting severe neurotoxicity (Bentur et al). 1990;47:478-82

**Thallium radioisotopes**

The effect of captopril on thallium 201 myocardial perfusion in systemic sclerosis (Kahan et al). 1990;47:483-9

**Theophylline**

Characterization of theophylline binding to serum proteins in pregnant and nonpregnant women (Connelly et al). 1990;47:68-72

The effects of theophylline and nifedipine on corticotropin-stimulated cortisol secretion (McDermott et al). 1990;47:435-8

Transcutaneous theophylline collection in preterm infants (Murphy et al). 1990;47:427-34

**Tiamenidine**

Tiamenidine (USAN List No. 313). 1990;47:91

**Ticarcillin**

Pharmacokinetics of ticarcillin in patients with cystic fibrosis: a controlled prospective study (de Groot et al). 1990;47:73-8

**Timolol**

Systemic effects of three  $\beta$ -blocker eyedrops: comparison in healthy volunteers of  $\beta_1$ - and  $\beta_2$ -adrenoreceptor inhibition (Le Jeune et al). 1990;47:578-83

**Tirilazad mesylate**

Tirilazad mesylate (USAN List No. 317). 1990;47:774

**Tobacco smoke pollution**

Simulation and evaluation of nicotine intake during passive smoking: cotinine measurements in body fluids of nonsmokers given intravenous infusions of nicotine (Curvall et al). 1990;47:42-9

**Tolbutamide**

Validation of the tolbutamide metabolic ratio for population screening with use of sulfaphenazole to produce model phenotypic poor metabolizers (Veronese et al). 1990;47:403-11

**Toluene**

Relationship between uptake and elimination of toluene and debrisoquin hydroxylation polymorphism (Löf et al). 1990;47:412-7

**Transdermal administration; see Administration, cutaneous**

**Transdermal collecting system**

Transcutaneous theophylline collection in preterm infants (Murphy et al). 1990;47:427-34

**Tretinoin**

Influence of tretinoin on the percutaneous absorption of minoxidil from an aqueous topical solution (Ferry et al). 1990;47:439-46

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**Uremia**

Novel multivalent effects of pyrazinoylguanidine in patients with azotemia (Beyer et al). 1990;47:629-38

**V****Vascular resistance**

Forearm vascular  $\alpha_1$ -adrenergic blockade by verapamil (Abernethy and Winterbottom). 1990;47:755-9

**Verapamil**

Effects of calcium channel blockers on the pharmacokinetics of propranolol stereoisomers (Hunt et al). 1990;47:584-91

Forearm vascular  $\alpha_1$ -adrenergic blockade by verapamil (Abernethy and Winterbottom). 1990;47:755-9

**Vinca alkaloids**

Disposition of a murine monoclonal antibody vinca conjugate

(KS1/4-DAVLB) in patients with adenocarcinomas (Schneck et al). 1990;47:36-41

**W****WEB-2086**

Inhibitory effects of the new PAF acether antagonist WEB-2086 on pharmacologic changes induced by PAF inhalation in human beings (Adamus et al). 1990;47:456-62

**Withdrawal;** *see* Substance withdrawal syndrome

**Z****Zidovudine**

Pharmacokinetics of zidovudine in patients with liver cirrhosis (Taburet et al). 1990;47:731-9

